

**ABSTRACT OF THE DISCLOSURE**

Herein disclosed is a sound signal encoding apparatus, comprises: sampling means for dividing and sampling a signal inputted therein into a plurality of sound signal sections based on the frequency ranges of the sound signal; each of the sound sections having a pure sound component and a non-pure sound component, and encoding means for encoding the sound signal sections after quantizing the sound signal sections divided and sampled based on the frequency ranges of the sound signal. The encoding means comprises a deciding unit for deciding which one in the pure sound component and non-pure sound component is more than the other of the pure sound component and non-pure sound component with respect to each of the sound signal sections divided and sampled based on the frequency ranges of the sound signal; a first quantizing unit for quantizing only the pure sound component at a first quantization level when the deciding unit is operated to decide that the pure sound component is more than the non-pure sound component with respect to each of the sound signal sections divided and sampled based on the frequency ranges of the sound signal; and a second quantizing unit for quantizing both the pure sound component and the non-pure sound component by way of the predetermined bits of data allocated to both the pure sound component and the non-pure sound component when the deciding unit is operated to decide that the non-pure sound component is more than the pure sound component with respect to each of the sound signal sections divided and sampled based on the frequency ranges of the sound signal sampled based on the frequency ranges of the sound signal.